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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :
TOSHIYUKI FUTAKATA ET AL. : GROUP ART UNIT: 2631
SERIAL NO: 09/446,888 :
FILED: DECEMBER 30, 1999 : EXAMINER: KUMAR, PANKAJ
FOR: SPREADING SIGNAL ASSIGNING METHOD AND SIGNAL
TRANSMITTING METHOD IN DIRECT ...

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REQUEST FOR RECONSIDERATION

Technology Center 2600

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

This communication is responsive to the Official Action dated December 31, 2002.

Favorable reconsideration of this application in light of the following discussion is respectfully requested.

Claims 1-9 are presently active.

In the outstanding Office Action, the specification was objected to for having improper line spacing. Claims 1-9 were rejected under 35 U.S.C. § 103(e) as being anticipated by Sato (U.S. Pat. No. 6,130,884).

Regarding the objection to the specification, 37 C.F.R. §1.52(b)(2)(i) specifies that the lines of the specification are to be 1-1/2 or double spaced. Applicants respectfully submit that the lines in the original filed specification are at 1-1/2 line spacing and thus in compliance with the rules and regulations of the U.S. Patent and Trademark Office. In the event that the original filed specification was poorly copied, a clean courtesy copy of the filed

specification is attached herewith. Thus, it is respectfully submitted that the objection to the specification should be withdrawn.

Regarding Sato, Sato discloses a CDMA spread circuit that uses a long code and a short code. However, Applicants submit that Sato does not disclose assigning a code associated with each base station group or a code associated with each network type to which the base station group belongs as a second spreading code, as defined in the independent claims of the present invention.

For example, Claim 1 defines that the second spreading code is assigned to a base station group or a network type. Consistent with Figures 8 and 9 and as explained in the specification:

According to the signal transmitting method, by assigning a code associated with each base station group or a code associated with each network type to which the base station group belongs as the second spreading code, and by transmitting a signal spread by the second spreading code, since a spreading code in itself functions as an identifying number of a cordless telephone system, the cordless handset does not need to check the identifying number of the cordless telephone system after identifying a spreading code for despread. Thus, the cordless handset can identify easily a cordless base with which the cordless handset can communicate. In addition, the cordless handset can not communicate with a cordless base of an other cordless telephone system. Therefore, interference from other cordless telephone systems can be avoided.¹

Hence, with the present invention, a different second spreading code is not necessarily required for each base station.²

On the other hand, Sato discloses a third spread code (long code) having a long period and assigned in units of base stations.³ Figure 1 in Sato depicts that a long code is generated

¹Specification, page 8, line 30, to page 9, line 12.

²Id., page 6, lines 31-35.

³Sato, col. 3, lines 21-23.

from a base station code number. As a result, a long code assigned to one base station is different from a second long code assigned to another base station. This contrasts from that of the claimed inventions in which a long code is assigned to a base station group or a network type, as defined in the independent claims. Hence, there is no teaching or suggestion in Sato for a second spreading code assigned to a base station group or a network type, as defined in the independent claims.

Thus, it is respectfully submitted that independent Claims 1-6 and Claims 7-9 which respectively depend from Claims 4-6 patentably define over the applied prior art.

Consequently, in light of the above discussions, the outstanding grounds for rejection are believed to have been overcome. The applications submitted herewith is believed to be in condition for allowance. An early and favorable action to that effect is respectfully requested

Finally, the attention of the Patent Office is directed to the change of address of Applicants' representative, effective January 6, 2003:

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Please direct all future communication to this new address.

Respectfully submitted,

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